

08/675,969
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PATNO IS 5408832

DATE: APRIL 10, 1997

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LEVEL 1 - 1 PATENT

1 5,408,832 Apr. 25, 1995, Thermally insulating jacket and related process,
Boffito, Claudio, Rho, Italy Schiabel, Antonio, Garbagnate, Italy Gallitognotta,
Alessandro, Rho, Italy

Press Alt-H for Help or Alt-Q to Quit.

LEVEL 1 - 1 OF 1 PATENT

5,408,832

Apr. 25, 1995

Thermally insulating jacket and related process

~~REISSUE~~ Reissue Application filed Jul. 5, 1996 (O.G. Nov. 26, 1996) Ex. Gp.:
3404; Re. S.N. 08/675,969

Press Alt-H for Help or Alt-Q to Quit.

5,408,832 OR 5408832

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SS 1 RESULT (1)

SS 2?

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PATENT NUMBER

DOCUMENT TYPE

ACTION

ACTION

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US 5408832 [US5408832]

US-P

94.07.21 US/AE-A

APPLICATION DATA (PATENT)

{US 278129/94 [94US-278129] 94.07.21}

95.04.25 US/A

PATENT

96.11.26 US/RF

REISSUE APPLICATION FILED

960705

9649

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} no citations for '832 in LITALERT

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29	1	US5408851/PN
30	1	US5408876/PN

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SS 1 RESULT (1)

SS 2?
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[REDACTED] (PAST)
ACCESSION NUMBER
PATENT NUMBER
DOCUMENT TYPE
OFFICIAL GAZETTE
CODE

9648-001435
US5408832
A (UTILITY)
96.11.26
REA
REISSUE APPLICATION FILED

SUBJECT HEADING

REISSUE APPLICATION FILED

Set	Items	Description
11	1	PN-WUS 5408832 ^W

DIALOG(R) File 345: Inpadoc/Fam. & Legal Stat.
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12753041

Basic Patent (No,Kind,Date): IT 92501416 A0 920608 <No. of Patents: 012>

PATENT FAMILY:

CHINA (CN)

Patent (No,Kind,Date): CN 1080039 A 931229
IMPROVED PROCESS FOR EVACUATING A THERMALLY INSULATING JACKET AND IN PARTICULAR THE JACKET OF A DEWAR OR OF ANOTHER CRYOGENIC DEVICE (English)

Patent Assignee: GETTERS SPA (IT)
Author (Inventor): CLAUDIO BOFFITO (IT); ANTONIO SCHIABEL (IT); ALESSANDRO GALLITOGNOTTA (IT)

Priority (No,Kind,Date): IT 92MI 1416 A 920608

Applic (No,Kind,Date): CN 92113646 A 921130

IPC: * F16L-059/06

Derwent WPI Acc No: * C 94-007661; C 94-007662

Language of Document: Chinese

Patent (No,Kind,Date): CN 1029154 B 950628
IMPROVED PROCESS FOR EVACUATING AND THERMALLY INSULATING JACKET AND IN PARTICULAR THE JACKET OF A DEWAR OR OF ANOTHER CRYOGENIC DEVICE (English)

Patent Assignee: GETTERS SPA (IT)
Author (Inventor): CLAUDIO BOFFITO (IT); SCHIABEL ANTONIO (IT); ALESSANDRO GALLITOGNOTTA (IT)

Priority (No,Kind,Date): IT 92MI 1416 A 920608; US 278129 A 940721

Applic (No,Kind,Date): CN 92113646 A 921130

IPC: * F16L-059/06

Derwent WPI Acc No: * C 94-007661; C 94-007662

Language of Document: Chinese

GERMANY, FEDERAL REPUBLIC (DE)

Patent (No,Kind,Date): DE 69304701 C0 961017
EVAKUIERTER WAERMEDAEMMANTEL, INSBESONDERE EIN MANTEL EINES DEWARGEFAESSES ODER EINER ANDEREN KRYOGENVORRICHTUNG (German)

Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT); GALLITOGNOTTA ALESSANDRO (IT)

Priority (No,Kind,Date): IT 92MI 1416 A 920608; WO 92IT141 W 921109; WO 93IT7 W 930201

Applic (No,Kind,Date): DE 69304701 A 930201

IPC: * F17C-003/08; F16L-059/06; C22C-024/00

Derwent WPI Acc No: * C 94-007661; C 94-007662

Language of Document: German

Patent (No,Kind,Date): DE 69304701 T2 970130
EVAKUIERTER WAERMEDAEMMANTEL, INSBESONDERE EIN MANTEL EINES DEWARGEFAESSES ODER EINER ANDEREN KRYOGENVORRICHTUNG (German)

Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT); GALLITOGNOTTA ALESSANDRO (IT)

Priority (No,Kind,Date): IT 92MI 1416 A 920608, WO 92IT141 W
921109; WO 93IT7 W 930201
Applic (No,Kind,Date): DE 69304701 A 930201
IPC: * F17C-003/08; F16L-059/06; C22C-024/00
Derwent WPI Acc No: * C 94-007661; C 94-007662
Language of Document: German

GERMANY, FEDERAL REPUBLIC (DE)

~~Applic (No,Kind,Date):~~ type, Date, Code, Text):

DE 69304701	P	961017	DE REF	CORRESPONDS TO (ENTSPRICHT)
			EP 644993 P	961017
DE 69304701	P	970130	DE 8373	TRANSLATION OF PATENT DOCUMENT
				OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN
				PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT
				DES EUROPAEISCHEN PATENTES IST EINGEGANGEN
				UND VEROEFFENTLICHT WORDEN)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 644993 A1 950329
PROCESS FOR EVACUATING A THERMALLY INSULATING JACKET, IN PARTICULAR THE
JACKET OF A DEWAR OR OF ANOTHER CRYOGENIC DEVICE. (English; French;
German)

Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT);
GALLITOGNOTTA ALESSANDRO (IT)

Priority (No,Kind,Date): WO 93IT7 W 930201; IT 92MI 1416 A
920608; WO 92IT141 A 921109; US 278129 A 940721

Applic (No,Kind,Date): EP 93903295 A 930201

Designated States: (National) BE; DE; FR; GB; IT; NL; SE

IPC: * F17C-003/08; F16L-059/06; C22C-024/00

Derwent WPI Acc No: * C 94-007661; C 94-007662

Language of Document: English

Patent (No,Kind,Date): EP 644993 B1 960911
EVACUATED THERMALLY INSULATING JACKET, IN PARTICULAR THE JACKET OF A
DEWAR OR OF ANOTHER CRYOGENIC DEVICE (English; French; German)

Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT);
GALLITOGNOTTA ALESSANDRO (IT)

Priority (No,Kind,Date): WO 93IT7 W 930201; IT 92MI 1416 A
920608; WO 92IT141 A 921109; US 278129 A 940721

Applic (No,Kind,Date): EP 93903295 A 930201

Designated States: (National) BE; DE; FR; GB; IT; NL; SE

IPC: * F17C-003/08; F16L-059/06; C22C-024/00

Derwent WPI Acc No: * C 94-007661; C 94-007662

Language of Document: English

EUROPEAN PATENT OFFICE (EP)

~~Applic (No,Kind,Date):~~ No, Type, Date, Code, Text):

EP 644993	P	920608	EP AA	PRIORITY (PATENT APPLICATION)
			(PRIORITAET (PATENTANMELDUNG))	
			IT 92MI 1416 A	920608
EP 644993	P	921109	EP AA	PRIORITY (PATENT APPLICATION)
			(PRIORITAET (PATENTANMELDUNG))	
			WO 92IT141 A	921109
EP 644993	P	930201	EP AA	PCT-APPLICATION (PCT-ANMELDUNG)
			WO 93IT7 W	930201
EP 644993	P	930201	EP AE	EP-APPLICATION (EUROPAEISCHE
			ANMELDUNG)	
			EP 93903295 A	930201

EP 644993	P	940721	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 278129 A 940721
EP 644993	P	950329	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) BE DE FR GB IT NL SE
EP 644993	P	950329	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 644993	P	950329	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 941015
EP 644993	P	950913	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 950728
EP 644993	P	960515	EP ITF	IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO) SOCIETA' ITALIANA BREVETTI S.P.A.
EP 644993	P	960911	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) BE DE FR GB IT NL SE
EP 644993	P	960911	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 644993	P	961017	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69304701 P 961017
EP 644993	P	961031	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)

ITALY (IT)

Patent (No,Kind,Date): IT 1258958 A 960311
PROCESSO PERFEZIONATO PER LA REALIZZAZIONE DI INTERCAPEDINI
TERMICAMENTE ISOLANTI MEDIANTE VUOTO E MATERIALI COIBENTI (Italian)
Patent Assignee: GETTERS SPA
Author (Inventor): BOFFITO CLAUDIO; SCHIABEL ANTONIO
Priority (No,Kind,Date): IT 92MI 1416 A 920608; US 278129 A
940721
Applic (No,Kind,Date): IT 92MI 1416 A 920608
IPC: * E04B
Derwent WPI Acc No: * C 94-007661; C 94-007662
Language of Document: Italian
Patent (No,Kind,Date): IT 92501416 A0 920608
PROCESSO PERFEZIONATO PER LA REALIZZAZIONE DI INTERCAPEDINI
TERMICAMENTE ISOLANTI MEDIANTE VUOTO E MATERIALI COIBENTI (Italian)
Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO; SCHIABEL ANTONIO; GALLITOGNOTTA
ALESSANDRO
Priority (No,Kind,Date): IT 92MI 1416 A 920608
Applic (No,Kind,Date): IT 92MI 1416 A 920608
Derwent WPI Acc No: * C 94-007661; C 94-007662
Language of Document: Italian

JAPAN (JP)

Patent (No,Kind,Date): JP 7507490 T2 950824
Priority (No,Kind,Date): WO 93IT7 W 930201; IT 92MI 1416 A
920608; WO 92IT141 A 921109; US 278129 A 940721
Applic (No,Kind,Date): JP 93501324 A 930201

IPC: * B01J-019/00; F16L-059/06; F17C-003/08
Derwent WPI Acc No: * C 94-007661; C 94-007662
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5408832 A 950425
THERMALLY INSULATING JACKET AND RELATED PROCESS (English)
Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT);
GALLITOGNOTTA ALESSANDRO (IT)
Priority (No,Kind,Date): US 278129 A 940721; WO 93IT7 W 930201;
WO 92IT141 A 921109; IT 92MI 1416 A 920608; US 38643 B2
930329; US 979326 B1 921120
Applic (No,Kind,Date): US 278129 A 940721
National Class: * 062451000; 062046200; 062051100
IPC: * F17C-001/00
Derwent WPI Acc No: * C 94-007661; C 94-007662
Language of Document: English

UNITED STATES OF AMERICA (US)

~~Legal Status~~ No, Type, Date, Code, Text):
US 5408832 P 920608 US AA PRIORITY (PATENT)
IT 92MI 1416 A 920608
US 5408832 P 921109 US AA PRIORITY (PATENT)
WO 92IT141 A 921109
US 5408832 P 921120 US AA PRIORITY
US 979326 B1 921120
US 5408832 P 930201 US AA PCT-APPLICATION (PCT-APPL.)
WO 93IT7 W 930201
US 5408832 P 930329 US AA PRIORITY
US 38643 B2 930329
US 5408832 P 940721 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 278129 A 940721
US 5408832 P 950425 US A PATENT
US 5408832 P 961126 US RF REISSUE APPLICATION FILED
(REISSUE APPL. FILED)
960705

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9325842 A1 931223
PROCESS FOR EVACUATING A THERMALLY INSULATING JACKET IN PARTICULAR THE
JACKET OF A DEWAR OR OF ANOTHER CRYOGENIC DEVICE (English)
Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT);
GALLITOGNOTTA ALESSANDRO (IT)
Priority (No,Kind,Date): IT 92MI 1416 A 920608
Applic (No,Kind,Date): WO 92IT141 A 921109
Designated States: (National) JP; KR; RU (Regional) AT; BE; CH; DE;
DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; SE
Filing Details: WO 100000 With international search report
IPC: * F17C-003/08; F16L-059/06; C22C-024/00
Derwent WPI Acc No: ; C 94-007661
Language of Document: English

Patent (No,Kind,Date): WO 9325843 A1 931223
PROCESS FOR EVACUATING A THERMALLY INSULATING JACKET, IN PARTICULAR THE
JACKET OF A DEWAR OR OF ANOTHER CRYOGENIC DEVICE (English)
Patent Assignee: GETTERS SPA (IT)
Author (Inventor): BOFFITO CLAUDIO (IT); SCHIABEL ANTONIO (IT);
GALLITOGNOTTA ALESSANDRO (IT)

Priority (No,Kind,Date): IT 92MI 1416 A 920608; WO 92IT141 A 921109
 Applic (No,Kind,Date): WO 93IT7 A 930201
 Designated States: (National) JP; KR; RU (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
 Filing Details: WO 100000 With international search report
 IPC: * F17C-003/08; F16L-059/06; C22C-024/00
 Derwent WPI Acc No: ; C 94-007662
 Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

~~Legal Status~~ (No, Type, Date, Code, Text):

WO 9325842	P	920608	WO AA	PRIORITY (PATENT)
			IT 92MI 1416 A	920608
WO 9325842	P	921109	WO AE	APPLICATION DATA (APPL. DATA)
			WO 92IT141 A	921109
WO 9325842	P	931223	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
			JP KR RU	
WO 9325842	P	931223	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
			AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE	
WO 9325842	P	931223	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9325842	P	940330	WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9325842	P	941123	WO 122	EP: PCT APP. NOT ENT. EUROP. PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE EING.)
WO 9325843	P	920608	WO AA	PRIORITY (PATENT)
			IT 92MI 1416 A	920608
WO 9325843	P	921109	WO AA	PRIORITY (PATENT)
			WO 92IT141 A	921109
WO 9325843	P	930201	WO AE	APPLICATION DATA (APPL. DATA)
			WO 93IT7 A	930201
WO 9325843	P	931223	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
			JP KR RU	
WO 9325843	P	931223	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
			AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE	
WO 9325843	P	931223	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)

WO 9325843 P 940120 WO DFPE REQUEST FOR PRELIMINARY
EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH
MONTH FROM PRIORITY DATE
WO 9325843 P 940330 WO 121 EP: PCT APP. ART. 158 (1) (EP:
PCT ANM. ART. 158 (1))